



Patent
Attorney's Docket No. 002010-742

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	MAIL STOP RCE
)	
Mary M. BENDIG et al.)	Group Art Unit: 1644
)	
Application No.: 09/155,739)	Examiner: Phillip Gambel, Ph.D.
)	
Filed: September 11, 1998)	Confirmation No.: 9068
)	
For: THERAPEUTIC USES OF HUMANIZED)	
ANTIBODIES AGAINST ALPHA-4-)	
INTEGRIN)	

THIRD
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The information is submitted before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114. Continued examination is requested and the fee required under 37 C.F.R. § 1.17(e) accompanies the present submission.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: July 14, 2003

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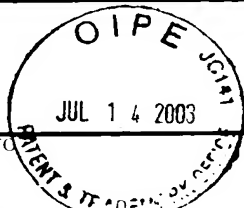


Substitute for forms 1449A PTO & 1449B PTO		ATTORNEY'S DKT NO. 002010-742	APPLICATION NO. 09/155,739
THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Mary M. BENDIG et al.	
		FILING DATE September 11, 1998	GROUP 1644

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	YEDNOCK et al., "Prevention of experimental autoimmune encephalomyelitis by antibodies against $\alpha 4 \beta 1$ integrin," Letters to Nature, vol. 3546, pp. 63-66 (1991).
	James S. GROBER et al., "Monocyte-Endothelial Adhesion in Chronic Rheumatoid Arthritis," J. Clin. Invest. vol. 91, pp. 2609-2619 (1993).
	S. JALKANEN et al., "A Novel Endothelial Cell Molecule Mediating Lymphocyte Binding in Humans," Behring Inst. Mitt., No. 92, pp. 36-43 (1993).
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	Bernhard HOLZMANN et al., "Identification of a Murine Peyer's Patch-Specific Lymphocyte Homing Receptor as an Integrin Molecule with an α Chain Homologous to Human VLA-4 α ," Cell vol. 56, pp. 37-46 (1989).
	Andrew C. ISSEKUTZ et al., "Monocyte Migration to Arthritis in the Rat Utilizes both CD11/CD18 and Very Late Activation Antigen 4 Integrin Mechanisms," J. Exp. Med. vol. 181 pp. 1197-1203 (1995).
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	Paul P. TAK, "Expression of Adhesion Molecules in Early Rheumatoid Synovial Tissue," Clinical Immunology and Immunopathology vol. 77(3) pp. 236-242 (1995).
	Jo C W EDWARDS et al., "Vascular cell adhesion molecule 1 and $\alpha 4$ and $\beta 1$ integrins in lymphocyte aggregates in Sjögren's syndrome and rheumatoid arthritis," Annals of the Rheumatic Diseases vol. 52, pp. 806-811 (1993).
	ACHM van DINTHER-JANSSEN et al., "Role of the CS1 adhesion motif of fibronectin in T cell adhesion to synovial membrane and peripheral lymph node endothelium," Annals of the Rheumatic Diseases vol. 52, pp. 672-676 (1993).
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	Jeanette MORALES-DUCRET et al., "Vascular Cell Adhesion Molecule-1 Expression in Synovium and on Fibroblast-Like Synoviocytes," the Journal of Immunology vol. 194(4), pp. 1424-1431 (1993).
	Christopher W. MARLOR et al., "Rapid Communication Expression of Vascular Cell Adhesion Molecule-1 in Fibroblastlike Synoviocytes After Stimulation with Tumor Necrosis Factor," American Journal of Pathology vol. 140(5) pp. 1055-1059 (1992).
	Antonio A. POSTIGO et al., "Increased Binding of Synovial T Lymphocytes from Rheumatoid Arthritis to Endothelial-Leukocyte Adhesion Molecule-1 (ELAM-1) and Vascular Cell Adhesion Molecule-1 (VCAM-1)," J. Clin. Invest. vol. 89, pp. 1445-1452 (1992).
	Ann C.H.M. van DINTHER-JANSSEN et al., "THE VLA-R/VCAM-1 PATHWAY IS INVOLVED IN LYMPHOCYTE ADHESION TO ENDOTHELIUM IN RHEUMATOID SYNOVIUM," The Journal of Immunology vol. 147(12) pp. 4207-4210 (1991).
	Thomas B. ISEKUTZ et al., "T Lymphocyte Migration to Arthritic Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4," Clinical Immunology and Immunopathology vol. 61, pp. 436-447 (1991).

SHEET 2 OF 2

Substitute for forms 1449A/PTO & 1449B-PTO THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY'S DKT NO. 002010-742	APPLICATION NO. 09/155,739
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NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Armando LAFFÓN et al., "Unregulated Expression and Function of VLA-4 Fibronectin Receptors on Human activated T Cells in Rheumatoid Arthritis," J. Clin. Invest. vol. 88, pp. 546-552 (1991).

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with M P E P § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **SEND TO:** Commissioner for Patents, P O Box 1450, Alexandria, VA 22313-1450